

08-04-00

Practitioner's Docket No.

460-009575-US(PAR)

PATENT

Preliminary Classification:

Proposed Class:

Subclass:

NOTE: "All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand corner of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129.'" M.P.E.P. § 601, 7th ed.

jc869 U.S. PTO
09/630945

08/03/00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of
Inventor(s): Juha RINNE, Ilkka RATAMO

WARNING: 37 C.F.R. § 1.41(a)(1) points out:

"(a) A patent is applied for in the name or names of the actual inventor or inventors.

"(1) The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.63, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(f) is filed supplying or changing the name or names of the inventor or inventors."

For (title): METHOD FOR TRANSMITTING USER IDENTIFICATION DATA TO A WIRELESS COMMUNICATION DEVICE

CERTIFICATION UNDER 37 C.F.R. § 1.10*

(Express Mail label number is mandatory.)

(Express Mail certification is optional.)

I hereby certify that this New Application Transmittal and the documents referred to as attached therein are being deposited with the United States Postal Service on this date August 3, 2000, in an envelope as "Express Mail Post Office to Addressee," mailing Label Number EL627421683US, addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.

Shauna Murphy

(type or print name of person mailing paper)

Shauna Murphy
Signature of person mailing paper

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. § 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

***WARNING:** Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. § 1.10(b).

"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

(New Application Transmittal [4-1]—page 1 of 11)

08/03/00
jc869 U.S. PTO

08/03/00

1. Type of Application

This new application is for a(n)

(check one applicable item below)

- ☒ Original (nonprovisional)
☐ Design
☐ Plant

WARNING: Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. § 371(c)(4), unless the International Application is being filed as a divisional, continuation or continuation-in-part application.

WARNING: Do not use this transmittal for the filing of a provisional application.

NOTE: If one of the following 3 items apply, then complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION IN PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION.

- ☐ Divisional.
☐ Continuation.
☐ Continuation-in-part (C-I-P).

2. Benefit of Prior U.S. Application(s) (35 U.S.C. §§ 119(e), 120, or 121)

NOTE: A nonprovisional application may claim an invention disclosed in one or more prior filed copending nonprovisional applications or copending international applications designating the United States of America. In order for a nonprovisional application to claim the benefit of a prior filed copending nonprovisional application or copending international application designating the United States of America, each prior application must name as an inventor at least one inventor named in the later filed nonprovisional application and disclose the named inventor's invention claimed in at least one claim of the later filed nonprovisional application in the manner provided by the first paragraph of 35 U.S.C. § 112. Each prior application must also be:

(i) An international application entitled to a filing date in accordance with PCT Article 11 and designating the United States of America; or

(ii) Complete as set forth in § 1.51(b); or

(iii) Entitled to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set forth in § 1.16; or

(iv) Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(f) within the time period set forth in § 1.53(f).

37 C.F.R. § 1.78(a)(1).

NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. §§ 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. §§ 120, 121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. §§ 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

(New Application Transmittal [4-1]—page 2 of 11)

WARNING: When the last day of pendency of a provisional application falls on a Saturday, Sunday, or Federal holiday within the District of Columbia, any nonprovisional application claiming benefit of the provisional application must be filed prior to the Saturday, Sunday, or Federal holiday within the District of Columbia. See 37 C.F.R. § 1.78(a)(3).

- ☐ The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

3. Papers Enclosed

- A. Required for filing date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application

13 Pages of specification

2 Pages of claims

3 Sheets of drawing

WARNING: DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. For comments on proposed then-new 37 C.F.R. § 1.84, see Notice of March 9, 1988 (1990 O.G. 57-62).

NOTE: "Identifying indicia, if provided, should include the application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application. This information should be placed on the back of each sheet of drawing a minimum distance of 1.5 cm. (5/8 inch) down from the top of the page . . ." 37 C.F.R. § 1.84(c).

(complete the following, if applicable)

- ☐ The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. § 1.84(b).

☐ formal

☐ informal

B. Other Papers Enclosed

6 Pages of declaration and power of attorney

1 Pages of abstract

 Other

4. Additional papers enclosed

☐ Amendment to claims

☐ Cancel in this applications claims _____ before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.)

☐ Add the claims shown on the attached amendment. (Claims added have been numbered consecutively following the highest numbered original claims.)

☒ Preliminary Amendment

☐ Information Disclosure Statement (37 C.F.R. § 1.98)

☐ Form PTO-1449 (PTO/SB/08A and 08B)

☐ Citations

- ☐ Declaration of Biological Deposit
- ☐ Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
- ☐ Authorization of Attorney(s) to Accept and Follow Instructions from Representative
- ☐ Special Comments
- ☐ Other

5. Declaration or oath (including power of attorney)

NOTE: A newly executed declaration is not required in a continuation or divisional application provided that the prior nonprovisional application contained a declaration as required, the application being filed is by all or fewer than all the inventors named in the prior application, there is no new matter in the application being filed, and a copy of the executed declaration filed in the prior application (showing the signature or an indication thereon that it was signed) is submitted. The copy must be accompanied by a statement requesting deletion of the names of person(s) who are not inventors of the application being filed. If the declaration in the prior application was filed under § 1.47, then a copy of that declaration must be filed accompanied by a copy of the decision granting § 1.47 status or, if a nonsigning person under § 1.47 has subsequently joined in a prior application, then a copy of the subsequently executed declaration must be filed. See 37 C.F.R. §§ 1.63(d)(1)-(3).

NOTE: A declaration filed to complete an application must be executed, identify the specification to which it is directed, identify each inventor by full name including family name and at least one given name, without abbreviation together with any other given name or initial, and the residence, post office address and country or citizenship of each inventor, and state whether the inventor is a sole or joint inventor. 37 C.F.R. § 1.63(a)(1)-(4).

☒ Enclosed

Executed by

(check all applicable boxes)

☒ inventor(s).

☐ legal representative of inventor(s).
37 C.F.R. §§ 1.42 or 1.43.

☐ joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.

☐ This is the petition required by 37 C.F.R. § 1.47 and the statement required by 37 C.F.R. § 1.47 is also attached. See item 13 below for fee.

☐ Not Enclosed.

NOTE: Where the filing is a completion in the U.S. of an International Application or where the completion of the U.S. application contains subject matter in addition to the International Application, the application may be treated as a continuation or continuation-in-part, as the case may be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.

☐ Application is made by a person authorized under 37 C.F.R. § 1.41(c) on behalf of all the above named inventor(s).

(The declaration or oath, along with the surcharge required by 37 C.F.R. § 1.16(e) can be filed subsequently).

☐ Showing that the filing is authorized.
(not required unless called into question. 37 C.F.R. § 1.41(d))

(New Application Transmittal [4-1]—page 4 of 11)

6. Inventorship Statement

WARNING: If the named inventors are each not the inventors of all the claims an explanation, including the ownership of the various claims at the time the last claimed invention was made, should be submitted.

The inventorship for all the claims in this application are:

☐ The same.

or

☐ Not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made,

☐ is submitted.

☐ will be submitted.

7. Language

NOTE: An application including a signed oath or declaration may be filed in a language other than English. An English translation of the non-English language application and the processing fee of \$130.00 required by 37 C.F.R. § 1.17(k) is required to be filed with the application, or within such time as may be set by the Office. 37 C.F.R. § 1.52(d).

☒ English

☐ Non-English

☐ The attached translation includes a statement that the translation is accurate. 37 C.F.R. § 1.52(d).

8. Assignment

☒ An assignment of the invention to Nokia Mobile Phones Ltd.

☒ is attached. A separate ☒ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or ☐ FORM PTO 1595 is also attached.

☐ will follow.

NOTE: "If an assignment is submitted with a new application, send two separate letters—one for the application and one for the assignment." Notice of May 4, 1990 (1114 O.G. 77-78).

WARNING: A newly executed "CERTIFICATE UNDER 37 C.F.R. § 3.73(b)" must be filed when a continuation-in-part application is filed by an assignee. Notice of April 30, 1993, 1150 O.G. 62-64.

(New Application Transmittal [4-1]—page 5 of 11)

9. Certified Copy

Certified copy(ies) of application(s)

Country	Appln. No.	Filed
Finland	19991684	6 August 1999
Country	Appln. No.	Filed
Country	Appln. No.	Filed

from which priority is claimed

☒ is (are) attached.☐ will follow.

NOTE: The foreign application forming the basis for the claim for priority must be referred to in the oath or declaration. 37 C.F.R. § 1.55(a) and 1.63.

NOTE: This item is for any foreign priority for which the application being filed directly relates. If any parent U.S. application or International Application from which this application claims benefit under 35 U.S.C. § 120 is itself entitled to priority from a prior foreign application, then complete Item 18 on the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

10. Fee Calculation (37 C.F.R. § 1.16)A. ☒ Regular application

CLAIMS AS FILED						
Number filed			Number Extra		Rate	Basic Fee 37 C.F.R. § 1.16(a) \$ 690.00
Total						
Claims (37 C.F.R. § 1.16(c))	12	- 20 =	0	×	\$ 18.00	0
Independent						
Claims (37 C.F.R. § 1.16(b))	3	- 3 =	0	×	\$ 78.00	0
Multiple dependent claim(s), If any (37 C.F.R. § 1.16(d))						
				+	\$260.00	

☐ Amendment cancelling extra claims is enclosed.☒ Amendment deleting multiple-dependencies is enclosed.☐ Fee for extra claims is not being paid at this time.

NOTE: If the fees for extra claims are not paid on filing they must be paid or the claims cancelled by amendment, prior to the expiration of the time period set for response by the Patent and Trademark Office in any notice of fee deficiency. 37 C.F.R. § 1.16(d).

Filing Fee Calculation \$ 690.00

B. ☐ Design application
(\$310.00—37 C.F.R. § 1.16(f))

Filing Fee Calculation \$

C. ☐ Plant application
(\$480.00—37 C.F.R. § 1.16(g))

Filing fee calculation \$

11. Small Entity Statement(s)

- ☐ Statement(s) that this is a filing by a small entity under 37 C.F.R. § 1.9 and 1.27 is (are) attached.

WARNING: "Status as a small entity must be specifically established in each application or patent in which the status is available and desired. Status as a small entity in one application or patent does not affect any other application or patent, including applications or patents which are directly or indirectly dependent upon the application or patent in which the status has been established. The refiling of an application under § 1.53 as a continuation, division, or continuation-in-part (including a continued prosecution application under § 1.53(d)), or the filing of a reissue application requires a new determination as to continued entitlement to small entity status for the continuing or reissue application. A nonprovisional application claiming benefit under 35 U.S.C. § 119(e), 120, 121, or 365(c) of a prior application, or a reissue application may rely on a statement filed in the prior application or in the patent if the nonprovisional application or the reissue application includes a reference to the statement in the prior application or in the patent or includes a copy of the statement in the prior application or in the patent and status as a small entity is still proper and desired. The payment of the small entity basic statutory filing fee will be treated as such a reference for purposes of this section." 37 C.F.R. § 1.28(a)(2).

WARNING: "Small entity status must not be established when the person or persons signing the . . . statement can unequivocally make the required self-certification." M.P.E.P., § 509.03, 6th ed., rev. 2, July 1996 (emphasis added).

(complete the following, if applicable)

- ☐ Status as a small entity was claimed in prior application
_____ / _____, filed on _____, from which benefit
is being claimed for this application under:

35 U.S.C. § ☐ 119(e),
☐ 120,
☐ 121,
☐ 365(c),

and which status as a small entity is still proper and desired.

- ☐ A copy of the statement in the prior application is included.

Filing Fee Calculation (50% of A, B or C above)

\$ _____

NOTE: Any excess of the full fee paid will be refunded if small entity status is established and a refund request are filed within 2 months of the date of timely payment of a full fee. The two-month period is not extendable under § 1.136. 37 C.F.R. § 1.28(a).

12. Request for International-Type Search (37 C.F.R. § 1.104(d))

(complete, if applicable)

- ☐ Please prepare an international-type search report for this application at the time when national examination on the merits takes place.

13. Fee Payment Being Made at This Time

☐ Not Enclosed

☐ No filing fee is to be paid at this time.

(This and the surcharge required by 37 C.F.R. § 1.16(e) can be paid subsequently.)

☒ Enclosed

☒ Filing fee

\$ 690.00

☒ Recording assignment

(\$40.00; 37 C.F.R. § 1.21(h))

(See attached "COVER SHEET FOR
ASSIGNMENT ACCOMPANYING NEW
APPLICATION".)

\$ 40.00

☐ Petition fee for filing by other than all the
inventors or person on behalf of the inventor
where inventor refused to sign or cannot be
reached

(\$130.00; 37 C.F.R. §§ 1.47 and 1.17(i))

\$ _____

☐ For processing an application with a
specification in

a non-English language

(\$130.00; 37 C.F.R. §§ 1.52(d) and 1.17(k))

\$ _____

☐ Processing and retention fee

(\$130.00; 37 C.F.R. §§ 1.53(d) and 1.21(l))

\$ _____

☐ Fee for international-type search report

(\$40.00; 37 C.F.R. § 1.21(e))

\$ _____

NOTE: 37 C.F.R. § 1.21(f) establishes a fee for processing and retaining any application that is abandoned for failing to complete the application pursuant to 37 C.F.R. § 1.53(f) and this, as well as the changes to 37 C.F.R. §§ 1.53 and 1.78(a)(1), indicate that in order to obtain the benefit of a prior U.S. application, either the basic filing fee must be paid, or the processing and retention fee of § 1.21(f) must be paid, within 1 year from notification under § 53(f).

Total fees enclosed

\$ 730.00

14. Method of Payment of Fees

☒ Check in the amount of \$ 730.00

☐ Charge Account No. _____ in the amount of
\$ _____

A duplicate of this transmittal is attached.

NOTE: Fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 C.F.R. § 1.22(b).

15. Authorization to Charge Additional Fees

WARNING: If no fees are to be paid on filing, the following items should not be completed.

WARNING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized.

- ☒ The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 16-1350:

☒ 37 C.F.R. § 1.16(a), (f) or (g) (filing fees)

☒ 37 C.F.R. § 1.16(b), (c) and (d) (presentation of extra claims)

NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. § 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.

☒ 37 C.F.R. § 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)

☒ 37 C.F.R. § 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a)).

☐ 37 C.F.R. § 1.17 (application processing fees)

NOTE: ". . . A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in § 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. § 1.136(a)(3).

☐ 37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b))

NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 C.F.R. § 1.311(b).

NOTE: 37 C.F.R. § 1.28(b) requires "Notification of any change in status resulting in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying, . . . the issue fee. . . ." From the wording of 37 C.F.R. § 1.28(b), (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

(New Application Transmittal [4-1]—page 9 of 11)

16. Instructions as to Overpayment

NOTE: "... Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26(a).

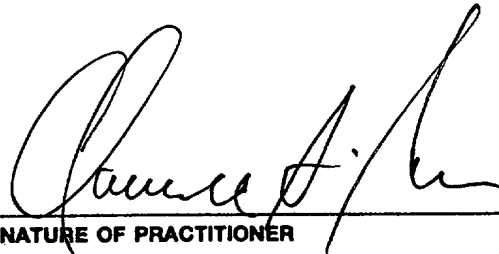
- ☒ Credit Account No. 16-1350
☐ Refund

SEND ALL CORRESPONDENCE TO:

Reg. No. 24,622

Tel. No. (203) 259-1800

Customer No. 2512



SIGNATURE OF PRACTITIONER

Clarence A. Green

(type or print name of attorney)

PERMAN & GREEN, LLP

P.O. Address

425 Post Road, Fairfield, Connecticut 06430

☐ **Incorporation by reference of added pages**

(check the following item if the application in this transmittal claims the benefit of prior U.S. application(s) (including an international application entering the U.S. stage as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED)

- ☐ Plus Added Pages for New Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed

Number of pages added _____

- ☐ Plus Added Pages for Papers Referred to in Item 4 Above

Number of pages added _____

- ☐ Plus added pages deleting names of inventor(s) named in prior application(s) who is/are no longer inventor(s) of the subject matter claimed in this application.

Number of pages added _____

- ☐ Plus "Assignment Cover Letter Accompanying New Application"

Number of pages added _____

☒ **Statement Where No Further Pages Added**

(if no further pages form a part of this Transmittal, then end this Transmittal with this page and check the following item)

- ☒ This transmittal ends with this page.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Express Mail No.: EL627421683US

In re application of: RINNE et al.

Serial No.: 0 /

Filed: Herewith

For: METHOD FOR TRANSMITTING USER IDENTIFICATION DATA TO A WIRELESS COMMUNICATION DEVICE

Group No.:

Examiner:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

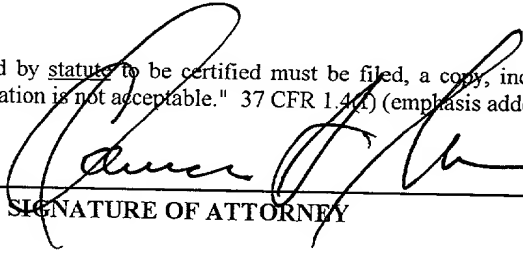
TRANSMITTAL OF CERTIFIED COPY

Attached please find the certified copy of the foreign application from which priority is claimed for this case:

Country : Finland
Application Number : 19991684
Filing Date : 6 August 1999

WARNING: "When a document that is required by statute to be certified must be filed, a copy, including a photocopy or facsimile transmission of the certification is not acceptable." 37 CFR 1.4(a) (emphasis added.)

Reg. No.: 24,622


SIGNATURE OF ATTORNEY

Clarence A. Green

Tel. No.: (203) 259-1800

Type or print name of attorney

Perman & Green, LLP

Customer No.: 2512

P.O. Address

425 Post Road, Fairfield, CT 06430

NOTE: The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the oath or declaration as required by § 1.63.

(Transmittal of Certified Copy [5-4])

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Express Mail No.: EL627421683US

In re Application of: RINNE et al.

FILING DATE: Herewith

ART UNIT:

TITLE: METHOD FOR TRANSMITTING USER IDENTIFICATION DATA TO A
WIRELESS COMMUNICATION DEVICE

ATTORNEY DOCKET NO.: 460-009575-US(PAR)

The Commissioner of Patents and Trademarks
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Dear Sir:

Please amend the above-identified, enclosed patent application as follows:

IN THE CLAIMS:

Please amend Claims 4, 8, 9 and 12 as shown below.

Claim 4, line 1, delete "2 or 3,".

Claim 8 line 1, delete "6, or 7,".

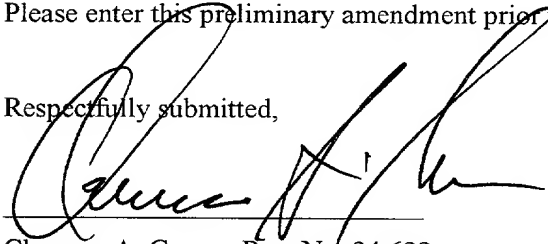
Claim 9, lines 1 and 2, delete "any of the claims 5 to 8" and insert --claim 5--.

Claim 12, lines 1 and 2, delete "or 11".

REMARKS

Please enter this preliminary amendment prior to calculation of the fees.

Respectfully submitted,


Clarence A. Green, Reg. No. 24,622
Perman & Green, LLP
425 Post Road
Fairfield, CT 06430
(203) 259-1800

Customer No.: 2512


Date

Method for transmitting user identification data to a wireless communication device

5 The present invention relates to a method for transmitting user identification data to a wireless communication device, in which method said user data are stored in a user data identification module, wherein in connection with starting up of the wireless communication device, the user data stored in said user data identification module are examined, to find out the access rights of the user of the wireless communication
10 device. The invention also relates to a user data identification module which comprises means for storing user data and means for transmission of user data to a wireless communication device, the wireless communication device comprising means for receiving user data and means for examining the user data to find out the access rights of the user of the wireless communication device. Furthermore, the invention
15 relates to a wireless communication device which comprises means for receiving user data stored in a user data identification module and means for examining the user data to find out the access rights of the user of the wireless communication device.

20 The use of some electronic devices requires the identification of the user before the functions of the electronic device are activated. For example in mobile stations, such as GSM mobile stations and UMTS mobile stations, a so-called SIM card (Subscriber Identity Module) is
25 used, which is placed in a connector set for this purpose in the mobile station. This SIM card is typically arranged in a card format, and it has the necessary connector pins for supplying the operating voltage to the SIM card as well as for transferring information between the SIM card and the mobile station. This SIM card contains stored user identification
30 data, such as an international mobile subscriber identifier (IMSI), a personal identity number (PIN) and a personal unlocking key (PUK). Furthermore, the SIM card may contain a stored telephone number *e.g.* for addressing the debiting of calls to the correct user. Part of these identification data are stored in the memory means of the SIM card in such a
35 way that the user cannot modify them. On the other hand, the personal identity number, *i.e.* the PIN code, is arranged to be changeable by the user. In mobile stations of prior art, this card containing the SIM card must be connected to the mobile station before the mobile station can

be used for calls. In some cases, it is only possible to call emergency numbers without the SIM card. In addition that the SIM card is connected to the mobile station, the user must select his/her personal identity number with the keypad of the mobile station, after which the
5 mobile station operates normally, presupposing that the PIN code was selected correctly.

In mobile stations of prior art, this connector for the SIM card is arranged inside the mobile station or in a separate reading device,
10 wherein the SIM card is placed in this reading device and the reading device is connected via a cable to the mobile station. In such mobile stations in which the connector of the SIM card is arranged inside the mobile station, the connector is typically placed in such a way that the insertion and removal of the SIM card requires that the battery is re-
15 moved from the mobile station. However, the user may have several mobile stations which he/she wishes to use even simultaneously. Consequently, the use of different mobile stations requires even the purchase of several SIM cards and simultaneously also the purchase of several mobile subscriptions, or the change of the SIM card to the
20 mobile station which the user wishes to use each time. It is often not reasonable to purchase several SIM cards e.g. for the reason that the user must then pay maintenance and other costs for several mobile subscriptions. Moreover, it is also difficult to change the SIM card from one mobile station to another mobile station, because the mobile sta-
25 tions must then be closed and the battery must be removed before the SIM card can be removed from one mobile stations and be transferred to the other mobile station. Furthermore, this alternative does not make it possible to use the mobile stations simultaneously.

30 SIM cards presently in use are arranged to be such that they can be used either as cards of credit-card size or as cards with a considerably smaller size, approximately 1.5 cm^2 . In this case, also the SIM card connector of the mobile station is arranged to be suitable for connecting either a card of credit-card size or said smaller card. A problem with
35 particularly the SIM card of credit-card size but also with the smaller SIM card is that it sets restrictions on reducing the size of the mobile station. On the other hand, it is a drawback with the smaller SIM card

size that the handling of such a SIM card is difficult, and it may be easily lost.

One drawback in the external SIM card connection of prior art is that it requires the arrangement of a wiring between the SIM card reading device and the mobile station. Also this solution is not suitable in situations in which the user would like to use two or more mobile stations simultaneously. Furthermore, the user should in each mobile station have means for connecting an external SIM card reading device to the mobile station.

It is an aim of the present invention to provide a method and device for transmitting user identification data to the wireless communication device. The invention is based on the idea that a wireless data transmission connection is arranged between an identification module and the wireless communication device, wherein this wireless data transmission connection is used to transmit information required in identifying the user. The method according to the present invention is characterized in that the user identification are transmitted at least partly in a wireless manner from the user data identification module to the wireless communication device. The user data identification module according to the present invention is characterized in that said means for transmitting user data comprise wireless communication means. The wireless communication device according to the present invention is characterized in that said means for receiving user data comprise wireless communication means.

The present invention has considerable advantages to methods and devices of prior art. By using a wireless data transmission connection between an identification module and a wireless communication device, the identification module and the connecting means required for its connection can be arranged as a separate unit, wherein it does not necessarily need to be located inside the wireless communication device. Thus, the size of the wireless communication device can be reduced. Furthermore, this arrangement makes it possible that more than one wireless communication device can simultaneously read the user identification data from the identification module, wherein the user can use these different wireless communication devices even simulta-

neously. With the arrangement according to the invention, it is also possible to avoid difficult transfer of the identification module from one wireless communication device to another wireless communication device. Thus, the user can easily take another wireless communication
5 device into his/her use.

Furthermore, by the arrangement according to the invention, it is also possible to prevent unauthorized use of a wireless communication device *e.g.* in situations in which the wireless communication device is
10 stolen. Thus, the wireless communication device cannot be used, if the identification module is not within the operating range of the local link used for transmitting identification data between the wireless communication device and the identification module.

15 In an advantageous embodiment of the invention, the identification module is arranged to be worn on the wrist. This gives the advantage that the user does not need to worry about carrying the identification module, but it is sufficient that this wrist unit is on the user's wrist. Thus, this wrist unit can also be used as a key, wherein in connection with
20 locking of doors, the user is identified from this wrist unit and the door can be opened if the user has sufficient rights of passage. Furthermore, this wrist unit suits particularly well to be used in systems for surveillance of working hours. The identification module can also be arranged in connection with a wrist watch. Moreover, the identification module or
25 wrist piece can comprise so-called intelligent card functions, *e.g.* charging and discharging of electronic money, a ticket function, *etc.*

In the following, the invention will be described in more detail with reference to the appended drawings, in which

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Fig. 1 shows the arrangement according to a first embodiment of the invention for transmitting user identification data to a wireless communication device,

35 Fig. 2 shows a situation in which two wireless communication devices share one identification module, and

Fig. 3 shows a second preferred embodiment of the invention in which the identification module is arranged in the first mobile station.

5 In the following, the invention will be described by using as an example of the wireless communication device 1 a mobile station ME, such as a GSM mobile station or a UMTS mobile station, but it is obvious that the invention can also be applied in connection with other wireless communication devices in which user identification is applied. As an example of a user data identification module 2, a SIM card is used, but the invention is not limited to the case of SIM card only.

Figure 1 shows an arrangement according to a first preferred embodiment of the invention, which comprises a wireless communication device 1 and a separate user data identification device 2. Communication between the wireless communication device 1 and the user data identification device 2 is arranged via a wireless local area link 3. This wireless local area link 3 is preferably arranged as a low power radio frequency (LPRF) data transmission connection (e.g. Bluetooth technology), but it is also possible to apply other known methods, such as infrared data transmission. The user data identification device 2 comprises communication means 4 which comprise a transmitter (TX) and a receiver (RX) for setting up a data transmission connection to the wireless communication device 1. Thus, the wireless communication device 1 is provided with corresponding communication means 5 which comprise a transmitter and a receiver. The user data identification device 2 comprises a control unit 6 for controlling the functions of the user data identification device 2. This control unit comprises preferably a processor or the like, such as a microcontroller unit (MCU). The control unit 6 is connected via a first control and data bus 7 to the communication means 4. The user data identification device 2 comprises also connecting means 8 for connecting a user data identification module 9 to the user data identification device 2. Said connecting means 8 are arranged in a data transmission connection with the control unit 6 via a second control and data bus 10. By means of this second control and data bus 10, the control unit 6 can, if necessary, read data from and write data in the user data identification module 9.

The user data identification module 9 can also contain a control unit, connecting means and a memory, but these are not presented in the appended drawings and they are prior art known to anyone skilled in the field. Furthermore, the user data identification module 9 typically comprises means (not shown) for preventing unauthorized modification of information contained in the user data identification module 9. The user data identification module 9 can also be implemented in connection with the present invention in such a way that it is arranged *e.g.* in connection with the memory means MEM of the control unit 6 in such a way the data stored therein are non-erasable also when the operating voltages are not coupled to the user data identification device 2. In addition, these identification data are protected from unauthorized modification in a known manner *e.g.* with program codes formed in the application software of the control unit 6. However, the embodiment in which the user data identification module 9 is a separate card or the like has the advantage that in connection with the user data identification device 2 of the invention it is possible to use already existing user data identification modules 9, such as SIM cards.

In this preferred embodiment, the wireless communication device 1 comprises a control unit 11 for controlling the functions of the wireless communication device 1. This control unit 11 is arranged in a data transmission connection with the communication means 5 of the wireless communication device via a control and data bus 12. The wireless communication device 1 also comprises a radio part 13 *e.g.* for implementing mobile station functions. The structure and operation of this radio part 13 is prior art known to anyone skilled in the art, wherein its more detailed discussion is not necessary in this context. Moreover, the wireless communication device 1 can comprise connecting means 14 of the user data identification module, known as such, for connecting the user data identification module 9 to the wireless communication device 1. Thus, in the operation of the wireless communication device 1, it is possible in the user identification to use either the user data identification module 9 connected to the identification module connecting means 14 of the wireless communication device 1, or the user data identification device 2 according to the invention.

The following is a description on the operation of the method according to the first embodiment of the invention in a device according to Fig. 1. Let us assume that the user has coupled the operating voltages to the user data identification device 2, wherein the control unit 6 of the user data identification device has taken the necessary initialization steps to start up the operation of the user data identification device 2. At this point, preferably at least the receiver of the communication means 4 has been started to receive signals of the local area link 3. In addition, the control unit 6 has read data from the identification module 9 and stored the read data in memory means MEM. If there is only one transmission channel available for the local area link 3, the control unit 6 of the identification device sets the receiver 4a of the identification device to receive on the channel frequency of this transmission channel. However, if the local area link 3 is implemented in such a way that there are at least two transmission channels allocated for data transmission, the identification device 2 preferably performs scanning of the transmission channels at intervals, to find out a possible need for receiving messages.

At the stage when the user starts up the wireless communication device 1, the control unit 11 of the wireless communication device 1 performs the necessary initialization steps to start up the operation of the wireless communication device 1. In connection with these initialization steps, the control unit 11 *e.g.* tries to set up a data transmission connection via a wireless local area link 3 to the identification device 2. The control unit 11 generates *e.g.* an inquiry message or the like, whereby the wireless communication device 1 informs the identification device 2 about the fact that there is a need in the wireless communication device 1 to find out the user data. The control unit 11 transmits the inquiry message to the communication means 5. To transmit the inquiry message, the control unit examines, if necessary, if there is a vacant transmission channel in the frequency range allocated for transmission of messages. When using radio-frequency communication, this can be performed preferably in such a way that the control unit 11 switches the receiver 5a to receive at a channel frequency of the transmission channel. If a signal transmitted by another device can be detected on the channel frequency in question, the control unit can, for example, set the receiver to receive at another channel frequency, if possible. If no

vacant transmission channel can be found, the control unit preferably waits for a moment and examines the channel frequencies again.

At the stage when a vacant transmission channel is found, the control unit 11 transmits an inquiry message in the local area link 3. This is performed preferably in the following way. The control unit 11 turns the transmitter 5b on, wherein the transmitter is set to transmit on the channel frequency of the detected free transmission channel. The transmitter 5b takes the necessary modulation steps to generate a radio signal and to transmit it to the local area link antenna 5c. If necessary, the signal to be transmitted can contain an initial synchronizing part before the actual information part, wherein the receiver 4a of the identification device 2 can be set to receive on the correct transmission channel before the information part is transmitted.

The transmitted signal is received in the antenna 4c of the communication means of the identification device and transferred to the receiver 4a of the communication means 4 of the identification device. In the receiver 4a of the communication means 4 of the identification device, the received radio-frequency signal is demodulated, and the inquiry message is transferred via the control and data bus 7 to the control unit 6 of the identification device. The control unit 6 of the identification device examines the received inquiry message and performs the steps required therein. In this case, the inquiry message is a message for inquiring the user data, wherein the control unit 6 produces a reply message to be transmitted via the local area link 3 to the wireless communication device 3. In this message transmission, it is possible to apply the procedures presented above in connection with the transmission of the inquiry message. The reply message for transmitting the user data read from the identification module 9 is transferred to the transmitter 4b of the communication means 4. If necessary, the control unit 6 switches the transmitter 4b on and sets it to transmit on a vacant transmission channel. This transmission channel is *e.g.* the same channel on which the inquiry message was transmitted. The transmitter 4b of the communication means 4 modulates the reply message to generate a radio-frequency signal and to transmit it to the communication means 5 of the wireless communication device 1. The receiver 5a of the communication means 5 demodulates the received radio-

frequency signal, wherein the reply message can be transferred to the control unit 11 to be examined. The control unit 11 detects that the received message is a reply message received for the user data inquiry message, wherein the control unit 11 finds out the received user data from this reply message. After this, these user data can be used for user identification *e.g.* in wireless communication devices of prior art. At this stage, the wireless communication device 1 can *e.g.* generate a notice on a display (not shown) in which the user is requested to enter his/her own personal identification number (PIN).

If the communication resources of the local area link 3 are not available for the transmission of the inquiry message (*e.g.* all the transmission channels are busy), it is possible to try retransmission as long as resources become available, or *e.g.* until a possible predetermined waiting time expires. Thus, the user of the wireless communication device 1 can be informed about failure to examine the user identification data.

In the case that the identification device 2 is not equipped with an identification module 9, the identification device 2 informs about this in the reply message to the wireless communication device 1. Also in such a case that the data of the identification module 9 connected to the identification device 2 is not readable, this can be reported to the wireless communication device 1.

If the user data cannot be read from the identification device 2, it is possible to proceed *e.g.* in the following way. The control unit 11 of the wireless communication device 1 examines whether the user data identification module 9 is connected to the identification module connecting means 14 in the electronic device 1. If the identification module 9 is connected, the control unit 11 retrieves the user data from this identification module 9, after which the operation can proceed in the normal way.

In a situation in which the user data cannot be read from the identification device 2 and the identification module 9 is not connected to the identification module connecting means 14 or the data is not readable, the control unit 11 prevents the use of the wireless communication

device 11 except for possibly such function in which no user data identification is necessary, such as making an emergency call.

5 In the above described method, the first step was to examine data transmitted by the identification device 2 and the next step to examine data of the identification module 9 possibly connected to the identification module connecting means 14 in the wireless communication device 1; however, it is also possible to apply the invention in such a way that the first step is to examine the user data by means of the
10 identification module connecting means 14 of the wireless communication device 1. Thus, if no identification module is connected to the connecting means 14, it is examined whether the identification module 9 is connected to the identification device 2, where an attempt is then made to retrieve the user data.

15 Figure 2 shows a situation in which the user has two wireless communication devices 1, 1', both of which utilize user data transmitted by the user data identification device 2. In Fig. 2, the first wireless communication device is indicated with the reference number 1, and the second wireless communication device is indicated with the reference number 1', accordingly. The wireless communication devices 1, 1' of Fig. 2
20 comprise substantially similar blocks, wherein the blocks of the first wireless communication device 1 corresponding to those of the second wireless communication device 1' are indicated with corresponding reference numbers. It is obvious that these wireless communication devices 1, 1' are not necessarily identical, but for example the first wireless communication device 1 can be a mobile station complying with the GSM system and the second wireless communication device 1' can be *e.g.* a mobile station complying with the UMTS system, a portable computer, *etc.* The first wireless communication device 1 and the
25 second wireless communication device 1' can determine the user data contained in the identification module 9 connected to the identification device 2 substantially irrespective of each other. In this determination of the user data, it is possible to apply the procedure presented in connection with the method according to the first preferred embodiment of the invention as described above. If necessary, each wireless communication device 1, 1' can preferably supplement the inquiry message with identification data of the wireless communication device 1, 1' that
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transmitted the inquiry message, wherein the identification device 2 returns this identification data in the reply message. Thus, the wireless communication device 1, 1' that transmitted the inquiry message examines in more detail only such reply messages in which the identification data matches that defined for the respective wireless communication device 1, 1'. In this way, several wireless communication devices 1 can be used in connection with the same user data identification device 2 and the user data can still be checked from each wireless communication device 1, 1'.

Using the method of the invention, it is thus possible to implement *e.g.* a function similar to the so-called class A in the GPRS (General Packet Radio Service) system, in which the user must have a chance to set up a high speed circuit switched data connection and a packet switched (GPRS) connection simultaneously. Thus, *e.g.* the first wireless communication device 1 is a GSM mobile station, in which this high speed circuit switched data connection can be implemented, and the second wireless communication device 1' is a GSM mobile station in which the GPRS connection can be implemented.

Figure 3 shows a second preferred embodiment of the invention, in which the user data identification device 2 is integrated in the wireless communication device 1. Thus, the wireless communication device 1 can find out the user data in a way known as such by means of a user data identification module 9 connected to the wireless communication device 1. In this embodiment, the second wireless communication device 1' can find out the user data from this identification device 2 arranged in the first wireless communication device 1. In this embodiment, in the identification of the user data for the second wireless communication device 1', it is possible to apply the procedures corresponding to those presented above in the description of the method according to the first preferred embodiment of the invention. Furthermore, the second wireless communication device 1' can also in this embodiment comprise connecting means 14 for connecting the identification module 9, wherein the second wireless communication device 1' can determine the user data even externally via the local area link 3 or internally via the connecting means 14.

In wireless communication devices 1, 1', in the identification of which user data can be performed either internally or externally, preferably either alternative can be selected as the default one, or the user can first be asked where the user data are to be found out.

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In such embodiments in which the user data identification device 2 according to the invention is implemented as a separate device, it comprises a power supply of its own (not shown). A user data identification device 2 implemented in connection with the wireless communication device 1 can use the power supply of the wireless communication device 1 (not shown).

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Furthermore, the practical implementation of the user data identification device 2 can be e.g. a device arranged to be attached to a wrist. Thus the user wears the identification device 2 on his/her wrist, wherein the identification device 2 can be easily carried along. It is obvious that also other types of practical solutions are feasible.

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The user data identification device 2 according to the invention can also be applied to prevent unauthorized use of the wireless communication device 1. This can be achieved in such a way that when started up, the wireless communication device 1 examines the user data from the identification device 2. If the identification device 2 is out of the operating range of the communication means 5 of the local area link of the wireless communication device 1, the wireless communication device 1 receives no reply to the user data reply, wherein the user of the wireless communication device can be prevented. In this embodiment, the wireless communication device 1 is provided with at least communication means 5 and a control unit 11. In the implementation of the communication means 5 and the control unit 11, it is possible to use also possible corresponding functional blocks of the wireless communication device 1.

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The communication means 5 of the wireless communication device 1, 1' can also be used for other communication, such as e.g. in connection with a wireless local area network (WLAN). Thus, in the implementation of the message structure, it may be necessary to use various identification methods, whereby the messages to be used for the wireless local

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area network and for user data identification are distinguished from each other. This implementation is applicable for anyone skilled in the art on the basis of the above description of the invention, and its more detailed discussion is not necessary in this context.

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Furthermore, the invention has the advantage that the wireless communication device 1 does not necessarily require connecting means 14 for connecting the identification module 9. Also, in the design of the structure of the wireless communication device 1 it is not necessary to consider the space requirement for these connecting means 14 and the identification module 19, wherein the size of the wireless communication device 1 can be considerably reduced.

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It is obvious that in practical implementations *e.g.* the mechanisms for message transmission be different from the embodiments presented above.

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The present invention is not limited solely to the embodiments presented above, but it can be modified within the scope of the appended claims.

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Claims:

1. A method for transmitting user identification data to a wireless communication device (1), in which method said user data are stored in a user data identification module (2), wherein in connection with starting up of the wireless communication device (1), the user data stored in said user data identification module (2) are examined to find out the access rights of the user of the wireless communication device (1), **characterized** in that the user data are transmitted at least partly in a wireless manner from the user data identification module (2) to the wireless communication device (1).
2. The method according to claim 1, **characterized** in that the user data stored in said user data identification module (2) are used in connection with at least a first (1) and a second wireless communication device (1') to find out the access rights of the user.
3. The method according to claim 2, **characterized** in that the identification module (2) is placed in the first wireless communication device (1), wherein to find out the access rights of the user, the identification module (2) placed in said first wireless communication device (1) is used in the second wireless communication device (1').
4. The method according to claim 1, 2 or 3, **characterized** in that for the transmission of user data, radio-frequency signals are used.
5. A user data identification module (2) which comprises means (9) for storing user data and means (4, 6) for transmission of user data to a wireless communication device (1), the wireless communication device (1) comprising means (5) for receiving user data and means (11) for examining the user data to find out the access rights of the user of the wireless communication device (1), **characterized** in that said means (4) for transmitting user data comprise wireless communication means.
6. The user data identification module (2) according to claim 5, **characterized** in that it is intended to be used in connection with at least a first wireless communication device (1) and a second wireless communication device (1') to find out the access rights of the user.

7. The user data identification module (2) according to claim 6, **characterized** in that it is placed in the first wireless communication device (1), wherein said identification module (2) placed in the first wireless communication device (1) is arranged to be used for finding out the access rights of the user in the second wireless communication device (1').
8. The user data identification module (2) according to claim 5, 6, or 7, **characterized** in that the means (4) for transmitting user data comprise means (RX, TX) for transmitting and receiving low power radio frequency signals.
9. The user data identification module (2) according to any of the claims 5 to 8, **characterized** in that it is arranged to be portable with the user, preferably to be attached to the wrist.
10. A wireless communication device (1) which comprises means (5) for receiving user data stored in a user data identification module (2) and means (11) for examining the user data to find out the access rights of the user of the wireless communication device (1), **characterized** in that said means (5) for receiving user data comprise wireless communication means.
11. The wireless communication device (1) according to claim 10, **characterized** in that it is a GSM mobile station.
12. The wireless communication device (1) according to claim 10 or 11, **characterized** in that it comprises means (11) for setting the access rights for the wireless communication device, wherein the access rights (1) for the wireless communication device (1) are arranged to be limited, if the user data are not received from the identification module (2) in the wireless communication device (1).

Abstract

5 The invention relates to a method for transmitting user identification data to a wireless communication device (1), in which method said user data are stored in a user data identification module (2). In connection with starting up of the wireless communication device (1), the user data stored in said user data identification module (2) are examined to find out the access rights of the user of the wireless communication device (1). In the method, the user data are transmitted at least partly in a wireless manner from the user data identification module (2) to the wireless communication device (1). The invention also relates to a user data identification module (2) which comprises means (9) for storing user data and means (4, 6) for transmission of user data to a wireless communication device (1); and to a wireless communication device (1).
10 The wireless communication device (1) comprises means (5) for receiving user data and means (11) for examining the user data to find out the access rights of the user of the wireless communication device (1). Said means (4) for transmitting user data comprise wireless communication means.
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Fig. 1

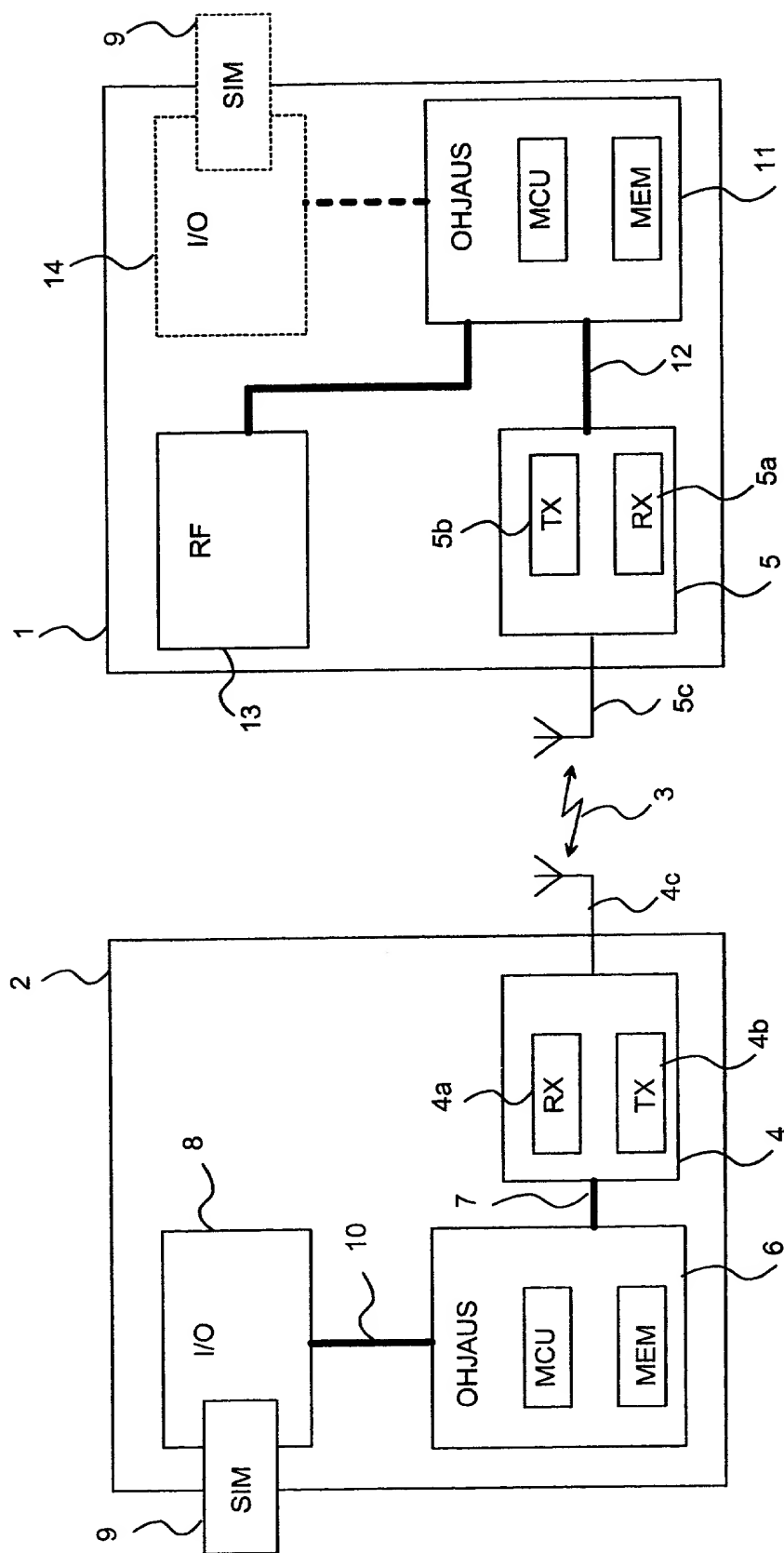


Fig. 1

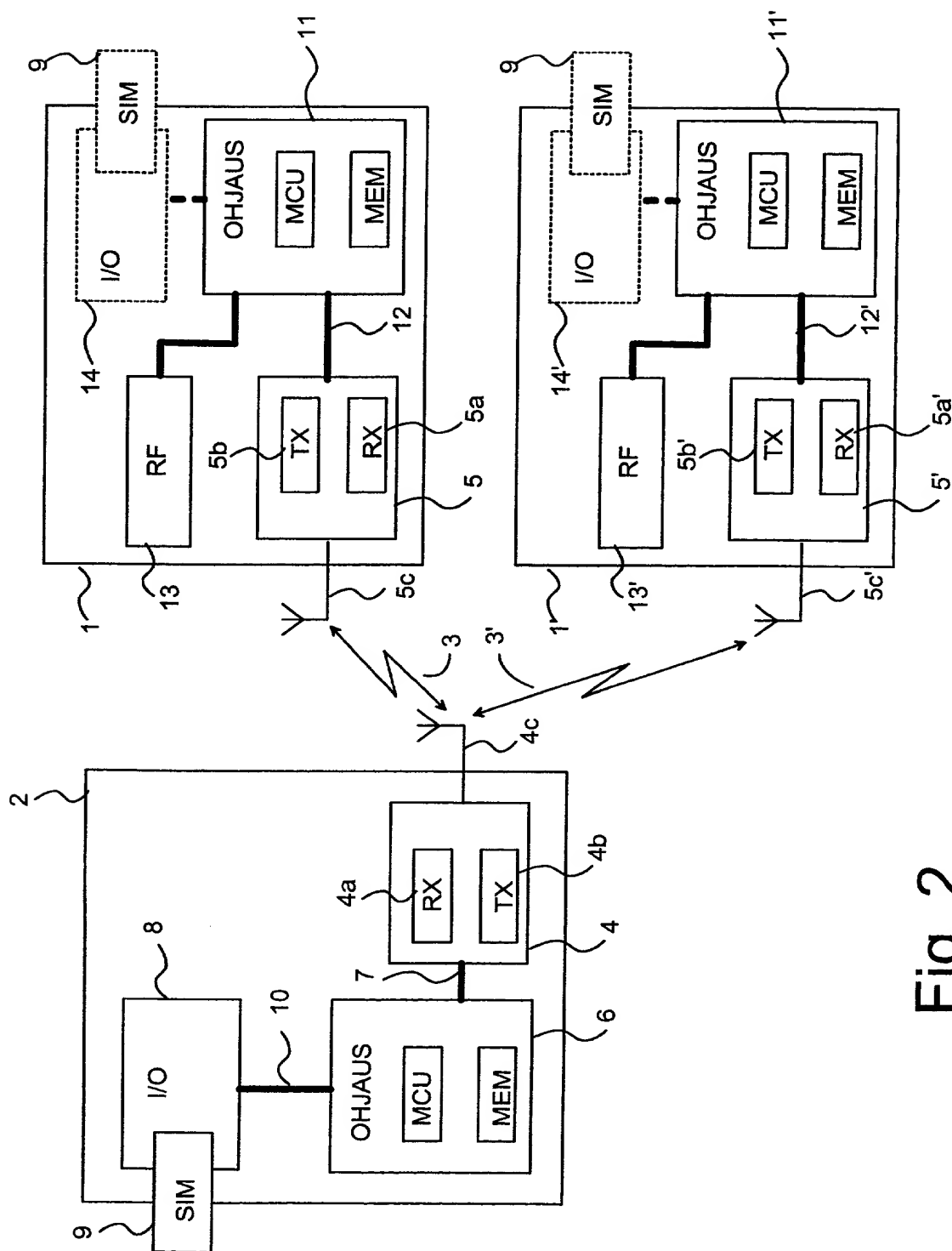


Fig. 2

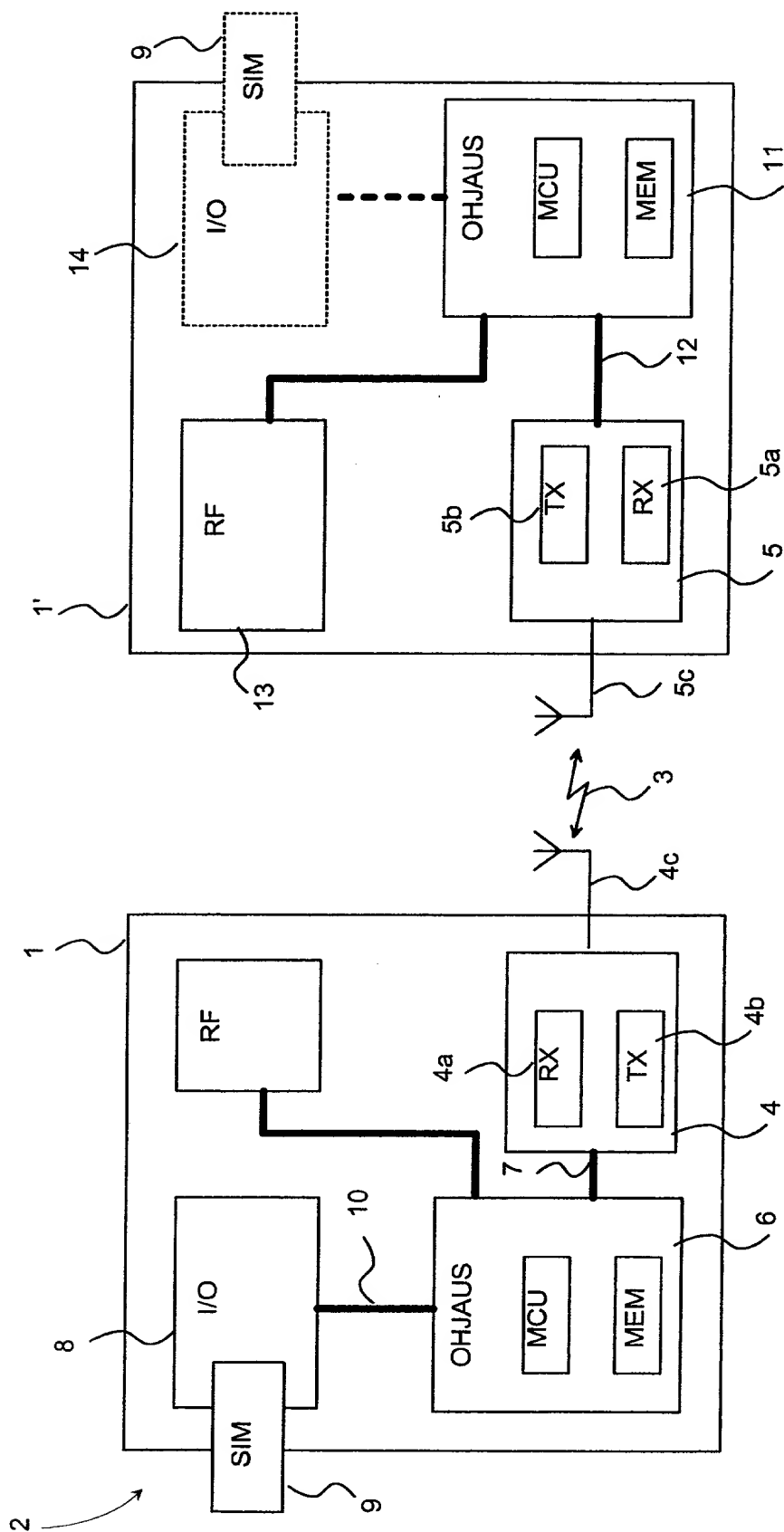


Fig. 3

COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL,
DIVISIONAL, CONTINUATION OR C-I-P)

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is of the following type:

(check one applicable item below)

☒ original.

☐ design.

☐ supplemental.

NOTE: *If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.*

☐ national stage of PCT.

NOTE: *If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR C-I-P.*

☐ divisional.

☐ continuation.

☐ continuation-in-part (C-I-P).

INVENTORSHIP IDENTIFICATION

WARNING: *If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.*

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (*if only one name is listed below*) or an original, first and joint inventor (*if plural names are listed below*) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

Method for transmitting user identification data to a wireless communication device

SPECIFICATION IDENTIFICATION

the specification of which:

(complete (a), (b), or (c))

(a) ☒ is attached hereto

(b) ☐ was filed on _____ as ☐ Serial No. 0/ _____
or ☐ Express Mail No., As Serial No. not yet known _____
and was amended on _____ (if applicable).

NOTE: Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

(c) ☐ was described and claimed in PCT International Application No. _____, filed on _____ and as amended under PCT Article 19 on _____ (if any).

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,

(also check the following items, if desired)

- ☒ and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
- ☐ in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.

PRIORITY CLAIM (35 U.S.C § 119(a)-(d))

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

(d) ☐ no such applications have been filed.

(e) ☒ such applications have been filed as follows.

NOTE: where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

**PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION
AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)**

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
Finland	19991684	6 August 1999	<input checked="" type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
(34 U.S.C. § 119(e))**

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER

FILING DATE

_____ / _____	_____
_____ / _____	_____
_____ / _____	_____
_____ / _____	_____

**CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S)
UNDER 35 U.S.C. 120**

- ☐ The claim for the benefit of any such applications are set forth in the attached
ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY
FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART (C-I-P)
APPLICATION

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NOTE: *If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR C-I-P APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.*

POWER OF ATTORNEY

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

(list name and registration number)

Clarence A. Green (24,622)
Harry F. Smith (32,493)
Mark F. Harrington (31,686)

(check the following item, if applicable)

☐ Attached, as part of this declaration and power of attorney, is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO

Clarence A. Green
Perman & Green, LLP
425 Post Road
Fairfield, CT 06430

DIRECT TELEPHONE CALLS TO:

(Name and telephone number)

Clarence A. Green
(203) 250-1800

DECLARATION

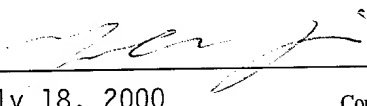
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.

Full name of sole or first inventor

Juha _____ Rinne _____
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature  _____


Date July 18, 2000 Country of Citizenship Finland

Residence Orimuskatu 8 C 11, FIN-33580 Tampere, Finland

Post Office Address Orimuskatu 8 C 11, FIN-33580 Tampere, Finland

Full name of second joint inventor, if any

Ilkka _____ Ratamo _____
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature  _____

Date July 18, 2000 Country of Citizenship Finland

Residence ~~Ohlingerstrasse 93 a, D-42781 Haan, Germany~~ Vaskiontie 1356, FIN-25260 Vaskio, Finland

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Full name of third joint inventor, if any

(GIVEN NAME) MIDDLE INITIAL OR NAME FAMILY (OR LAST NAME)

Inventor's signature _____

Date _____ Country of Citizenship _____

Residence _____

Post Office Address _____

(check proper box(es) for any of the following added page(s)
that form a part of this declaration)

☐ **Signature** for fourth and subsequent joint inventors. *Number of pages added* _____

* * *

☐ **Signature** by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. *Number of pages added* _____

* * *

☐ **Signature** for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. *Number of pages added* _____

* * *

☐ Added page for **signature** by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)

* * *

☐ Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.

☐ Number of pages added _____

* * *

☐ Authorization of attorney(s) to accept and follow instructions from representative.

* * *

(if no further pages form a part of this Declaration,
then end this Declaration with this page and check the following item)

☒ This declaration ends with this page.